CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

Job No.: CTCE/BBMP/W.No.17/KS/CEMENT/2012-13

Date: 04.02.2013

TEST REPORT

CLIENT	:	**Asst. Executive Engineer,** RR Nagara (Projects), BBMP, Bangalore.
AGENCY	:	**Mr. K. Sudhakar,** Contractor, Bangalore.
NAME OF THE WORK	:	Providing development of slab drain from 15th cross to SWD drain in side J.P.Park in Ward No.17, R.R.Nagar Zone, BBMP, Bangalore.
REFERENCE	:	EE/Proj/RRN/Wo.No/124/2012-13 Dated: 12.10.2012
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-1989
1	a) Initial Setting Time	IS-4031 (Part -5)	189 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	496 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	29.00 %	-

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 15 days from the date of testing.

AE-17

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ರಾಜರಾಜೇಶ್ವರಿನಗರ ವಲಯ ಉಪ-ವಿಭಾಗ-02
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

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BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.17/KS/SAND/2012-13 : 04.02.2013

TEST REPORT ON FINE AGGREGATES (SAND)
IS 383-1970 (RA- 2002)

Client : **Asst. Executive Engineer,** RR Nagara (Projects), BBMP, Bangalore.

Agency : **Mr. K. Sudhakar,** Contractor, Bangalore.

Name of Work : Providing development of slab drain from 15th cross to SWD drain in side J.P.Park in Ward No.17, R.R.Nagar Zone, BBMP, Bangalore.

Reference : EE/Proj/RRN/Wo.No/124/2012-13 Dated: 12.10.2012

Date of Testing : 04.02.2013

Material : Sand Total Wt. of Aggregates in gms **2000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	89	4.45	4.45	95.6	90-100
2.36	139	6.95	11.40	88.6	75-100
1.18	536	26.80	38.20	61.8	55-90
600 Micron	485	24.25	62.45	37.6	35-59
300 Micron	389	19.45	81.90	18.1	8-30
150 Micron	185	9.25	91.15	8.8	0-10

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ರಾಜರಾಜೇಶ್ವರಿನಗರ ಯೋಜನೆಯ ವಿಭಾಗ-02
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

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Job No.: CTCE/BBMP/W.No.17/KS/CUBE/2012-13

13.03.2013

TEST REPORT ON CONCRETE CUBES

Client	: **Asst. Executive Engineer,** RR Nagara (Projects), BBMP, Bangalore.
Agency	: **Mr. K. Sudhakar,** Contractor, Bangalore.
Name of the work	: Providing development of slab drain from 15th cross to SWD drain in side J.P.Park in Ward No.17, R.R.Nagar Zone, BBMP, Bangalore.
Reference	: EE/Proj/RRN/Wo.No/124/2012-13 Dated: 12.10.2012
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{15}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	13.02.2013	13.03.2013	8.185	389.7	17.32
2	13.02.2013	13.03.2013	8.296	396.4	17.62
3	13.02.2013	13.03.2013	8.224	409.3	18.19

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ರಾ.ನ. ಯೋಜನೆ ಉಪ-ವಿಭಾಗ-02

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